

## ABSTRACT OF THE DISCLOSURE

A channel is created within a planar layer. At least a portion of an optical path is formed within the channel. An optical core medium may be deposited into the channel. In various embodiments, reflective layers are deposited within and over the channel to form the optical path. In another embodiment, a photosensitive sheet is exposed to an optical path mask in the presence of an optical source to define an optical path lying within the plane of the sheet.